



Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	Atty. Docket No. 1256-00949	Appln. No.: 10/821,828
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		Applicant Hector F. DeLuca et al	
		Filing Date April 9, 2004	Group Art Unit 1616

U.S. PATENT DOCUMENTS								
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF PPROPRIATE	
/BB/		6,392,071	05-21-2002	DeLuca et al				
		5,945,410	08-31-1999	DeLuca et al				
		5,936,133	08-10-1999	DeLuca et al				
		5,877,168	03-02-1999	Miyamoto et al				
		5,843,928	12-01-1998	DeLuca et al				
		5,843,927	12-01-1998	DeLuca				
		5,817,648	10-06-1998	Kutner et al				
		5,756,489	05-26-1998	DeLuca et al				
		5,721,225	02-24-1998	DeLuca et al				
		5,587,497	12-24-1996	DeLuca et al				
		5,536,713	07-16-1996	DeLuca et al				
		5,246,925	09-21-1993	DeLuca et al				
		5,237,110	08-17-1993	DeLuca et al				
↓		5,086,191	02-04-1992	DeLuca et al				
/BB/		4,666,634	05-19-1987	Miyamoto et al	↓	↓		

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION Yes No	
/BB/		EP0184206	12-04-1985	Europe	↓	↓		
↓		EP0078704	04-29-1987	Europe	↓	↓		
↓		EP0387077	09-03-1990	Europe	↓	↓		
↓		EP0474517	11-03-1992	Europe	↓	↓		
/BB/		EP0480572	04-15-1992	Europe	↓	↓		

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/BB/		EP0516410	12-02-1992	Europe	↓	↓		
/BB/		WO90/09991	09-07-1990	PCT				
/BB/		WO96/01811	01-25-1996	PCT				

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)		
/BB/		Baggiolini et al, "Stereochemical Total Synthesis of 1 α ,25-Dihydroxycholecalciferol and 1 β ,25-Dihydroxyerocalciferol", Journal of Organic Chemistry, 51, pp. 3098-3108, 1986.
		Bouillon et al, "Biological Activity of Dihydroxylated 19-Nor-(Pre)Vitamin D ₃ ", Bioactivity of 19-Nor-Pre D, Vol. 8, No. 8, pp. 1009-1015, 1993.
		Chemical Abstracts, "Chemistry of Synthetic High Polymers", Vol. 110, No. 10, Abstract 110: 82505v, March 6, 1989.
		Chemical Abstracts, XP-002066055, Vol. 121, No. 21, November 21, 1994.
		Fujishima et al, "Synthesis and Biological Activity of 2-Methyl-20-EPI Analogues of 1 α ,25-Dihydroxyvitamin D ₃ ," Bioorganic & Medicinal Chemistry Letters, 8, pp. 2145-2148, 1998.
		Kiegiel et al, "Chemical Conversion of Vitamin D ₃ to its 1,25-Dihydroxy Metabolite", Tetrahedron Letters, Vol. 31, No. 43, pp. 6057-60660, 1991.
		Konno et al, "A Novel and Practical Route to A-Ring Enyne Synthon for 1 α ,25-Dihydroxyvitamin D ₃ Analogs: Synthesis of A-ring Diastereomers of 1 α ,25-Dihydroxy-Vitamin D ₃ and 2-Methyl-1,25-Dihydroxyvitamin D ₃ ," Bioorganic & Medicinal Chemistry Letters, 8, pp. 151-156, 1998.
		Okano et al, "Regulatory Activities of 2 β -(3-Hydroxypropoxy)-1 α ,25-Dihydroxyvitamin D ₃ . A Novel Synthetic Vitamin D ₃ Derivative on Calcium Metabolism", Biochemical and Biophysical Research Communications, Vol. 163, No. 3, pp. 1444-1449, September 29, 1989.
		Perlman et al, "1 α ,25-Dihydroxy-19-Nor-Vitamin D ₃ . A Novel Vitamin D-Related Compound with Potential Therapeutic Activity", Tetrahedron Letters, Vol. 31, No. 13, pp. 1823-1824, February 1990.

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/BB/		Posner et al, "2-Fluoroalkyl A-Ring Analogs of 1,25-Dihydroxyvitamin D ₃ -Stereocontrolled Total Synthesis via Intramolecular and Intermolecular Diels-Alder Cycloadditions. Preliminary Biological Testing", Journal of Organic Chemistry, 60, pp. 4617-4628, 1995.
		Posner et al, "Stereocontrolled Synthesis of a Trihydroxylated A Ring as an Immediate Precursor to 1 α ,2 α ,25-Trihydroxyvitamin D ₃ ", Journal of Organic Chemistry, 56, pp. 4339-4341, April 15, 1995.
		Sarandeses et al, "Synthesis of 1 α ,25-Dihydroxy-19-Norprevitamin D ₃ ", Tetrahedron Letters, pp. 5445-5448, April 1992.
		Sicinski et al, "New 1 α ,25-Dihydroxy-19-Norvitamin D ₃ Compounds of High Biological Activity: Synthesis and Biological Evaluation of 2-Hydroxymethyl, 2-Methyl, and 2-Methylene Analogues," Journal of Medical Chemistry, 41, pp. 4662-4674, 1998.
↓		Slatopolsky et al, "A New Analog of Calcitriol, 19-Nor-1,25-(OH) ₂ D ₂ Suppresses Parathyroid Hormone Secretion in Uremic Rats in the Absence of Hypercalcemia", American Journal of Kidney Disorders, 26(5), 832-60, 1995.
/BB/		Suhara et al, "Synthesis and Biological Evaluation of Novel 2 α -Substituted 1 α ,25-Dihydroxyvitamin D ₃ Analogues," Biorganic & Medicinal Chemistry Letters, 10, pp. 1129-1132, March 16, 2000.

EXAMINER	/Barbara Badio/	DATE CONSIDERED	07/20/2007
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance <u>and</u> not considered. Include copy of this form with next communication to client.			